

# Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

**Progress Report #20—September 24, 2007**

**Work Completed: September 13-19, 2007**

- Completed installation of turbidity curtains at Island 1 and Removal Area 6B.
- Developed access to Island 1.
- Completed excavation of soil and sediment at Island 1.
- Removed access to Islands 1 and 2 upon completion of soil and sediment removal.
- Continued constructing temporary access road along Removal Areas 7 and 8.
- Began construction of Staging Area 3S and treatment system pad adjacent to the Plainwell Dam.
- Completed installation of steel sheeting for the construction of the Phase I cofferdam.
- Began construction of the water control structure.
- Completed loading and transporting solidified non-TSCA material from Staging Areas 1N and 2S to Allied Waste's C&C Landfill.
- Completed removal of Staging Area 1N. Began removal of Staging Area 2S.
- Continued surveying and performing sampling and analysis of excavated portions of Removal Area 6B and Islands 1 and 2.
- Continued turbidity monitoring of the Kalamazoo River to support removal activities.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	280	8	1,155	33
Total to Date	2,345	67	14,070	402

\*\* All values are unofficial, estimated quantities, subject to revision/verification.

US EPA RECORDS CENTER REGION 5

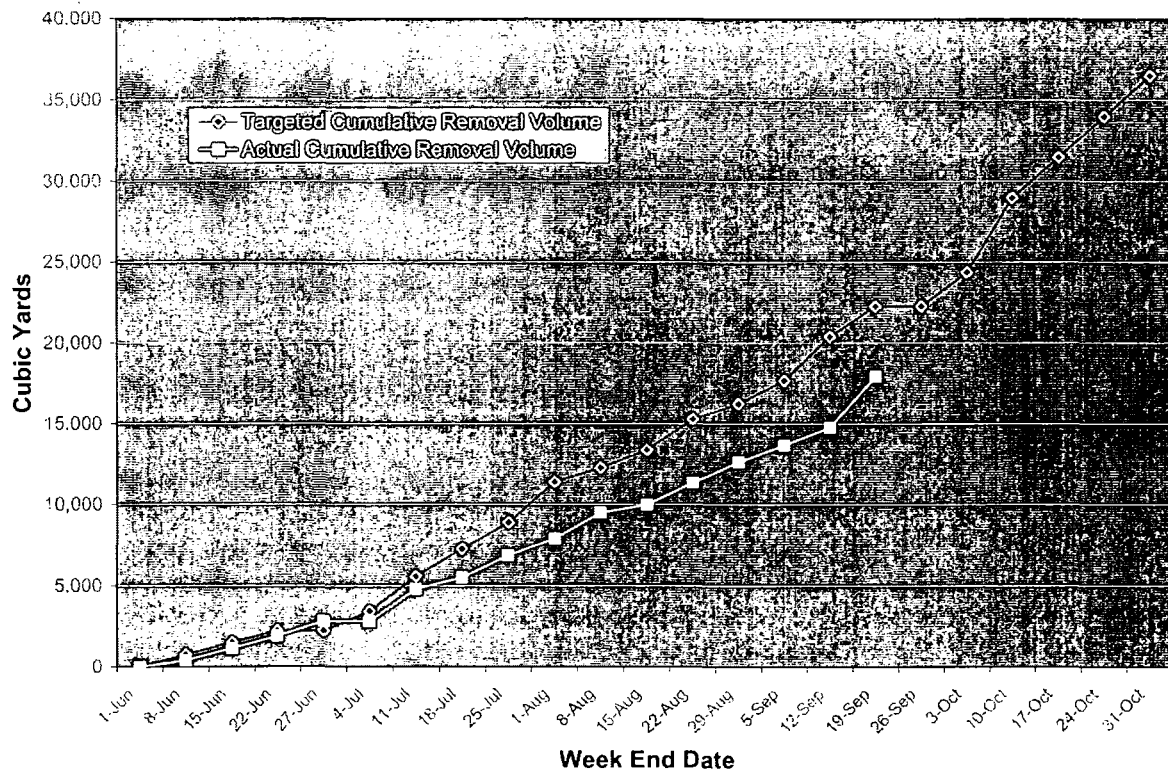


406888

***Work Planned: September 20-26, 2007***

- Complete removal of turbidity curtain from Island 1.
- Continue construction of temporary access road along Removal Areas 7, 8, 9B, and 10B.
- Continue construction of Staging Area 3S and treatment system pad adjacent to the Plainwell Dam.
- Begin installation of 500 gallon per minute treatment system at the Plainwell Dam.
- Continue excavating soil and sediment from Removal Area 6B.
- Continue construction of the water control structure including the installation of steel sheeting. Begin installing an earthen berm downstream of the water control structure.
- Continue removing Staging Area 2S.
- Begin seeding and placing erosion control mats at Removal Areas 2B, 3B, and 4B.
- Continue surveying and performing sampling and analysis of excavated portions of Removal Area 6B and Upland Area 6B1.
- Continue turbidity monitoring of the Kalamazoo River to support removal activities.

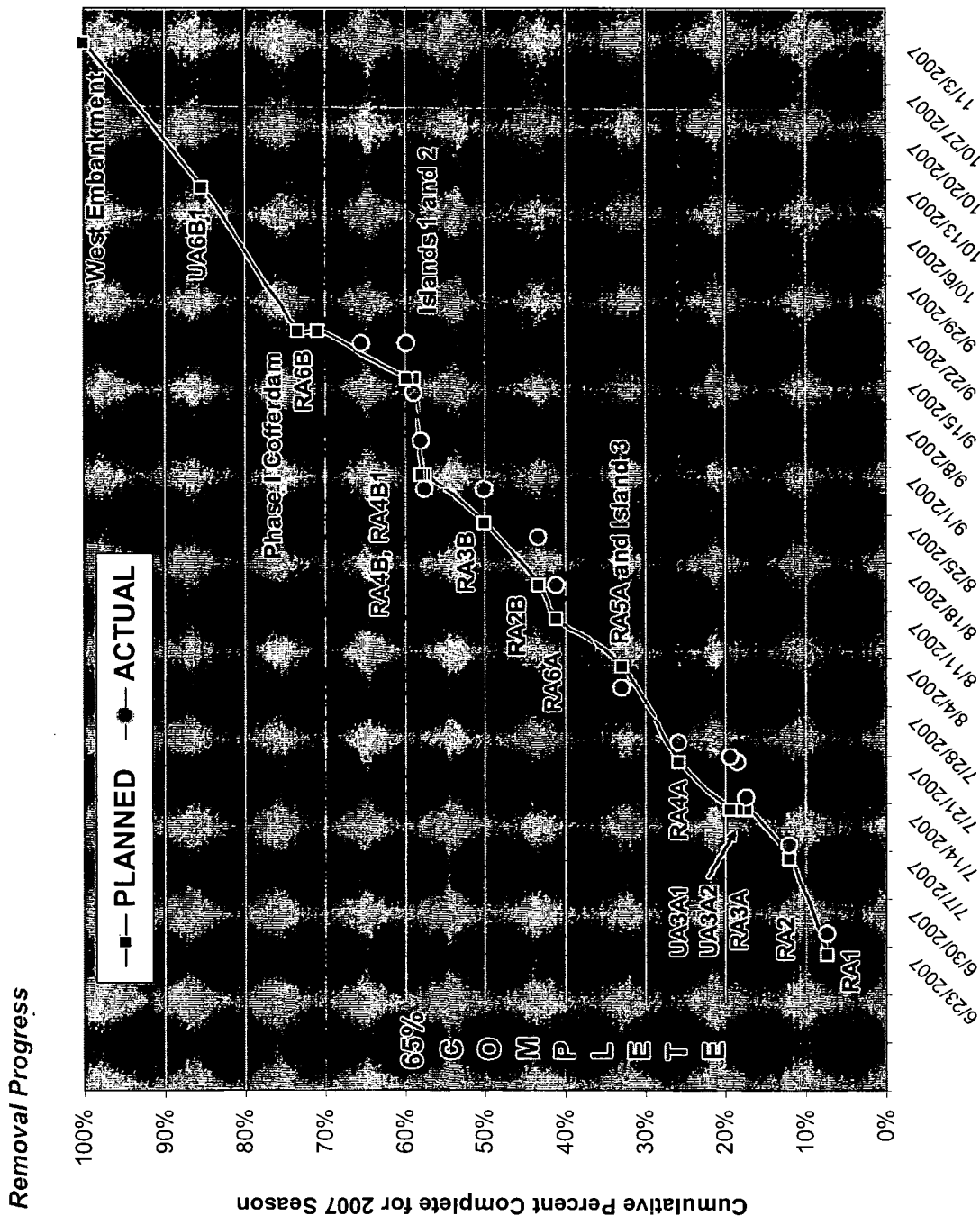
## Removal Progress



## Notes

Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed are below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBLES 4/30/07 Plainwell TCRA Construction Schedule.



***Health & Safety Update***

- Four Loss Prevention Observations (LPOs) were completed this week.  
A total of 58 LPOs have been completed for the project to date.

***Weather Summary***

- No weather delays were encountered during this reporting period.

***Environmental Monitoring and Construction Quality Assurance Testing***

**Resuspension/Turbidity Monitoring:**

Testing Performed this Week? No ☐ Yes ☒  
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

**Dewatering System Discharge Monitoring:**

Discharge Flow:  
Testing Performed this Week? No ☒ Yes ☐  
Exceedances? N/A ☒ No ☐ Yes ☐ If yes, explain:

**Excavation Verification Sampling:**

Testing Performed this Week? No ☐ Yes ☒ in Removal Area(s): 3B  
Cleanup Standard Achieved? N/A ☐ Yes ☒ No ☐ If no, explain:

***Issues Encountered/Solutions Advanced***

- Conducted the second Monthly Stakeholders Meeting on September 19, 2007.

**Former Plainwell Impoundment  
Time-Critical Removal Action  
Weekly Construction Update  
Progress Report #20  
Page 6 of 9**

***Equipment on Site***

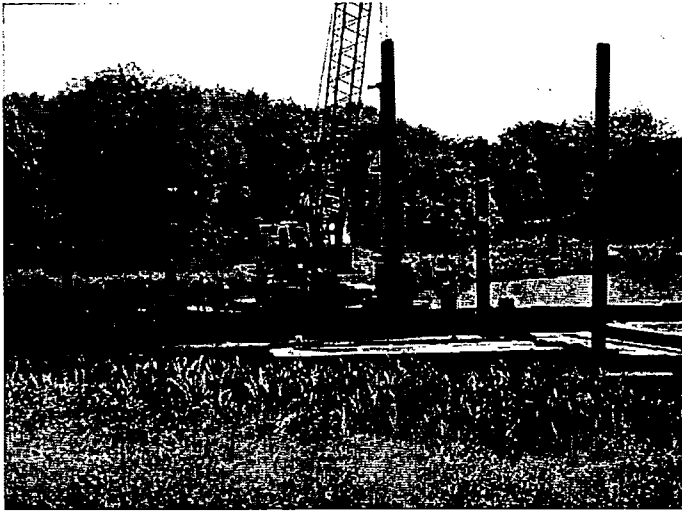
<b>Equipment</b>	<b>9/13/07</b>	<b>9/14/07</b>	<b>9/15/07</b>	<b>9/16/07</b>	<b>9/17/07</b>	<b>9/18/07</b>	<b>9/19/07</b>
Komatsu PC-300 Excavator	2	2	2	2	2	2	2
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	2	2	2	2	2	2	2
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	1	1	1	1	1	1	1
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	1	1	1	1	1	1	1
Vermeer Chipper	1	1	1	1	1	1	1
Komatsu D65 Dozer	1	1	1	1	1	1	1
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
Burcyrus Cable 40-ton Crane	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Komatsu 400 Articulating Dump Truck	2	2	2	2	2	2	2

**Former Plainwell Impoundment  
Time-Critical Removal Action  
Weekly Construction Update  
Progress Report #20  
Page 7 of 9**

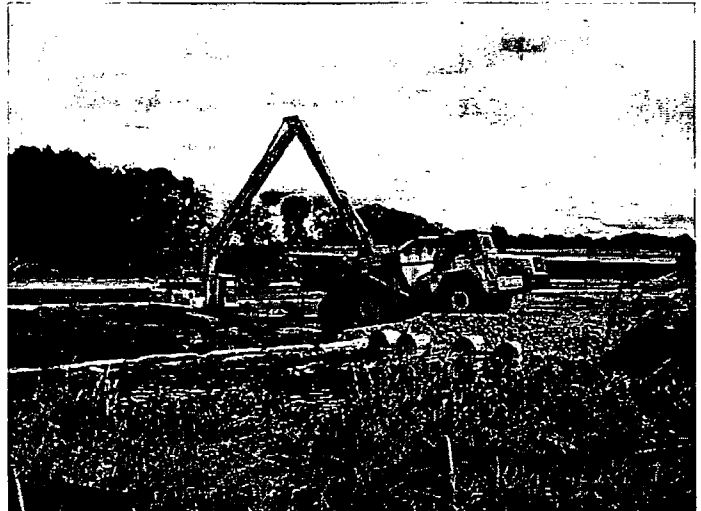
***Personnel, Regulatory Staff, and Visitors on Site***

Individual/Affiliation	9/13/07	9/14/07	9/15/07	9/16/07	9/17/07	9/18/07	9/19/07
Terra Contracting Staff	25	25	25		20	20	20
Sam Borries/USEPA OSC					X	X	X
Mike Ribordy/USEPA OSC	X	X					
Paul Bucholtz/MDEQ	X					X	X
John Bradley/MDEQ							X
John Lerg/MDNR						X	X
Jim Saric/USEPA							
Michael Berkoff/USEPA							
Weston Contractors	1	1			1	1	1
Drew Santini/CDM	X						
Mark Brown/KRSG							X
Chase Fortenberry/KRSG							X
Rick Difiore/ARCADIS BBLES							X
Dave Montanari/ARCADIS BBLES							X
Steve Garbaciak/ARCADIS BBL							X
Doug Cowin/ARCADIS BBL							
Adam Chwalibog/ARCADIS BBL	X	X			X	X	X
Eric Hritsuk/ARCADIS BBL	X					X	X
Rich Price/ARCADIS BBLES	X	X					
Matt Bowman/ARCADIS BBLES			X				X
EJ Suardini/ARCADIS BBLES	X	X			X	X	X
Mike Kohagen/ARCADIS BBLES	X	X	X		X	X	X
Ben Lawrence/ARCADIS BBLES	X	X	X		X	X	X
Michelle Rumler/ARCADIS BBL	X	X	X		X	X	X
Joe Willoughby/ARCADIS BBLES	X	X	X		X	X	X
Nick Harmer/ARCADIS BBL					X	X	X
<i>Other Subcontractors (Specify)</i>							
JFNew							
American Environmental (Geosynthetics)					8		
King Construction (WCS/cofferdam)	4	4			4		

*Photos from Week #20*



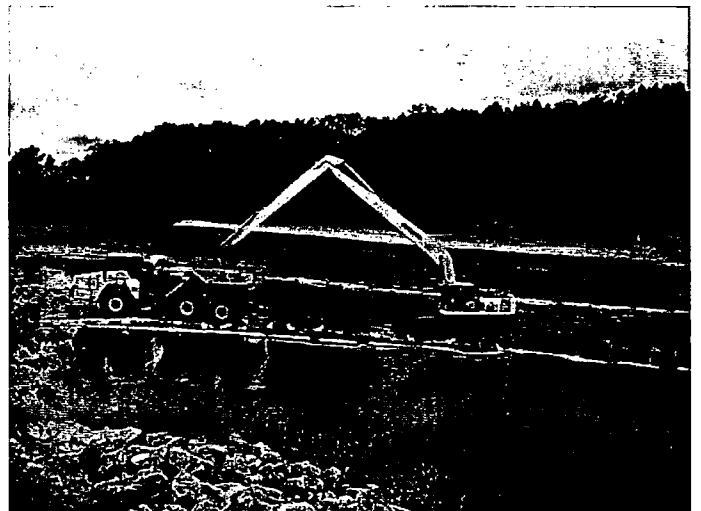
*Crane using an impact hammer to drive steel sheeting for the Phase I cofferdam.*



*Loading and hauling soil and sediment from Island 1.*



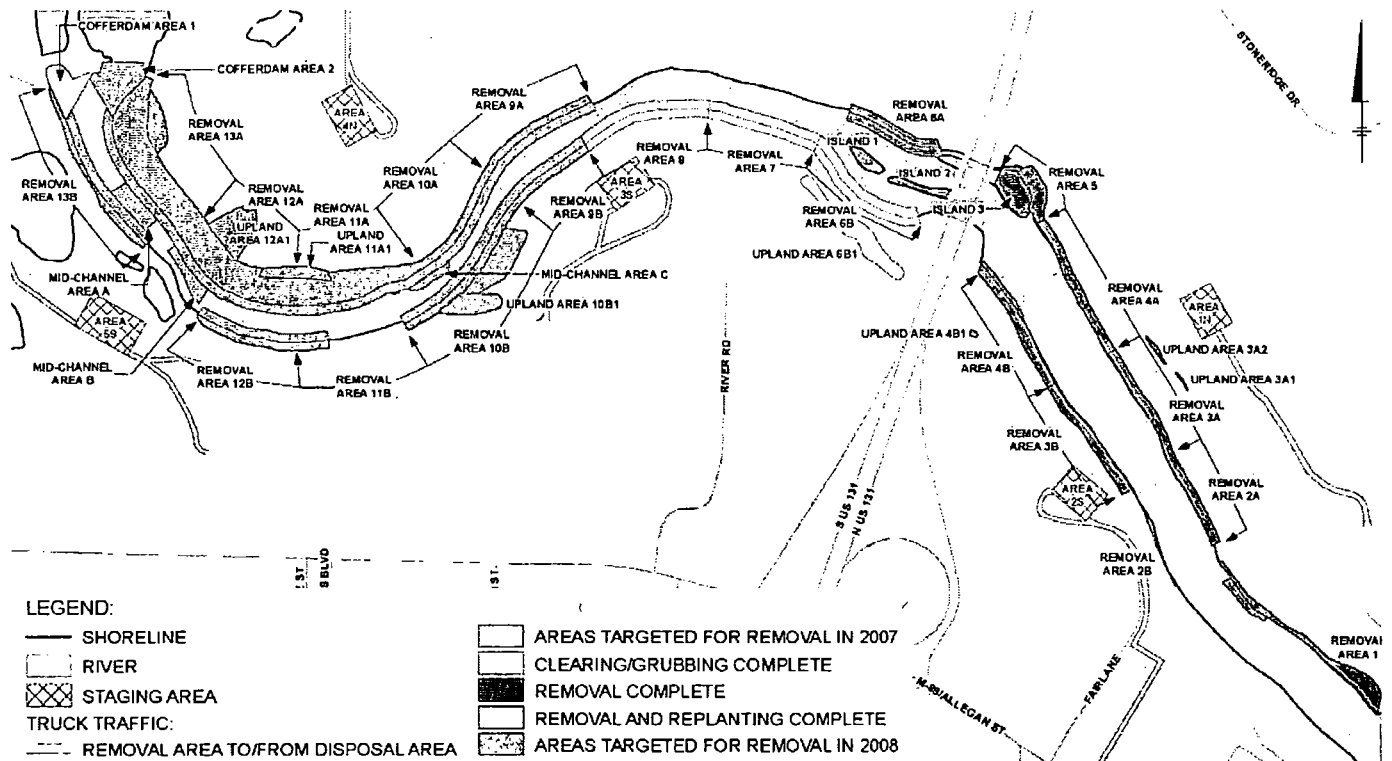
*Installing geotextile material for the treatment system pad adjacent to the Plainwell Dam.*



*Loading and hauling soil and sediment from Island 2.*



**Targeted Removal Areas—Former Plainwell Impoundment**



All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.